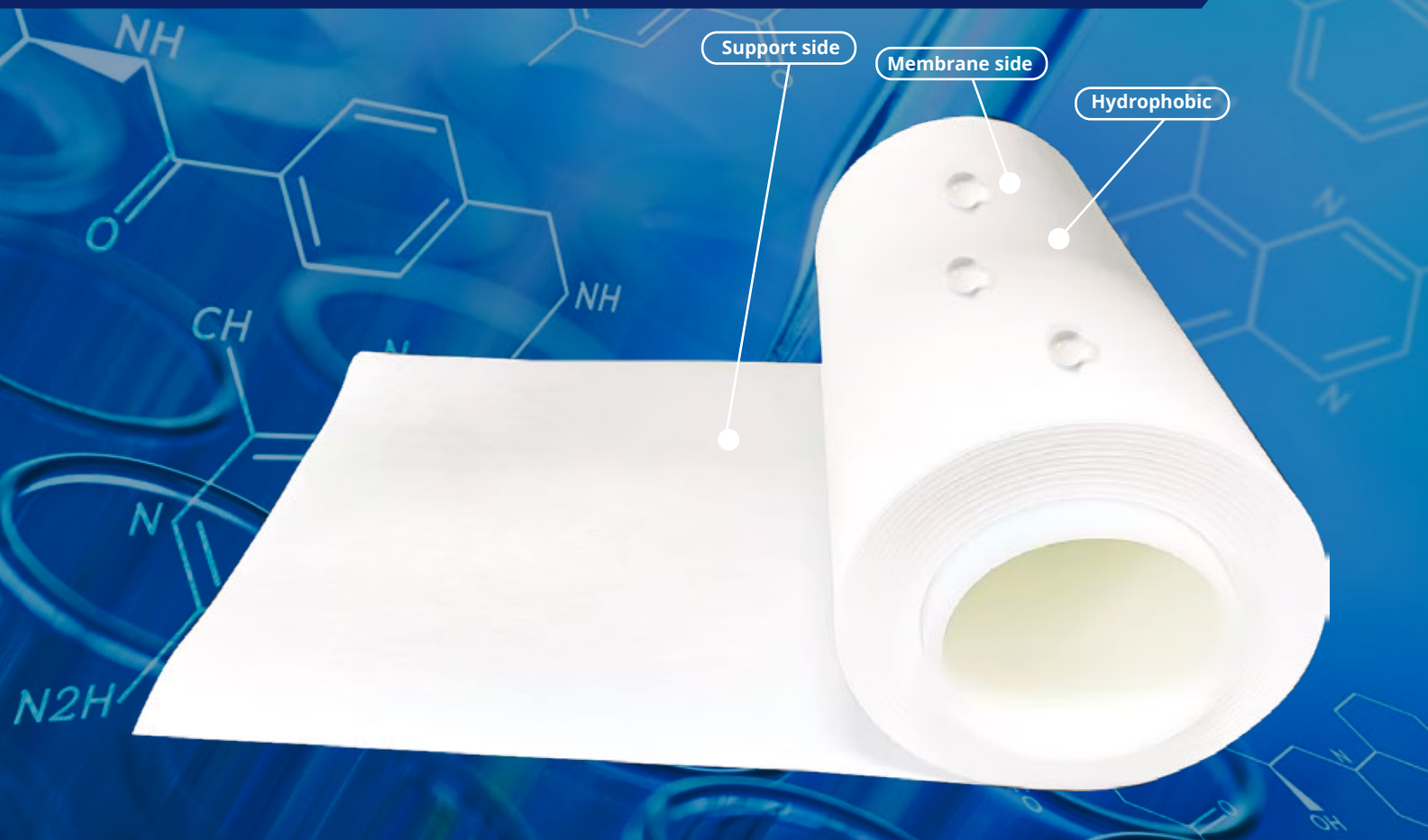
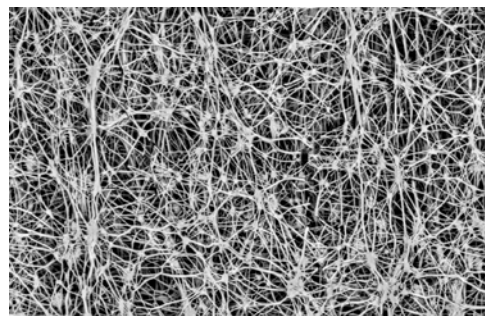


Hydrophobic PTFE Membrane



Description

The PTFE hydrophobic filtration membrane of qpore is prepared by mechanically stretching and sintering PTFE particles. According to application requirements, the stretched ePTFE membrane can be thermally compounded with different materials to enhance its mechanical strength. It is a key material for solvent and oil filtration applications in the chemical, pharmaceutical, food, and automotive industries. Our unique process creates a product with high peel strength, stable and uniform mechanical properties. The hydrophobic PTFE membranes are optimized for the filtration of both liquids, air and gases. They provide excellent performance in aggressive chemical and high temperature applications where fine filtration, compatibility and purity are required.



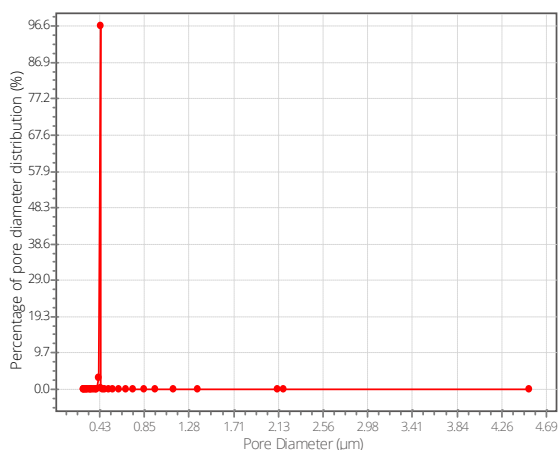
Features

- Hydrophobic
- Broad chemical resistance and high temperature stability
- High flux, low extractables
- Good uniformity
- High mechanical strength
- Easy to weld

Applications

- Solvent filtration
- Biopharm industry, Microelectronics, fine
- Chemicals, Laboratory
- Dust collectors and baghouse filters
- Coalescing

Pore Diameter Disribution



0.45 μm Hydrophobic PTFE Membrane

Specification

Membrane Type	Pore Size (μm)	Thickness (μm)	Ethanol Flow Rate (ml / min / cm ²) (23 °C, ΔP = -10 psi)	60% IPA Bubble Point (23 °C, psi)	Remarks
Unsupported	0.03	20 - 50	≥ 2	≥ 45	The thickness of the PTFE film and support can be customized
	0.05	10 - 40	≥ 12	≥ 42	
	0.1	10 - 60	≥ 20	≥ 25	
	0.22	10 - 40	≥ 40	≥ 17	
	0.45	10 - 50	≥ 70	≥ 11	
	1.0	20 - 60	≥ 150	≥ 4	
	3.0	20 - 60	≥ 200	≥ 2.5	
	5.0	10 - 60	≥ 500	/	
	10	2 - 10	≥ 500	/	
Supported	0.05	130 - 190 、 200 - 280	≥ 5	≥ 42	
	0.1	130 - 190 、 200 - 280	≥ 6	≥ 25	
	0.22	130 - 190 、 200 - 280	≥ 12	≥ 17	
	0.45	130 - 190 、 200 - 280	≥ 25	≥ 11	
	1.0	130 - 190 、 200 - 280	≥ 50	≥ 4	
	3.0	130 - 190 、 200 - 280	≥ 100	≥ 2.5	
	5.0	130 - 190 、 200 - 280	≥ 300	/	
	10	130 - 190 、 200 - 280	≥ 400	/	